



Exhibit A

Comparison of Multiple base extension over single base extension

| Soderlund method | | Current Invention | | Background |
|-------------------------|--|------------------------------|--|------------|
| Extension with one base | | Extension with multiple base | | |

| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|



BRCA 1 gene codon 563 C/A mutation

Multiple base extension enhances detection signals and can be easily distinguished

Shifted Termination Analysis